

Rabbit ACO2 Polyclonal Antibody | anti-ACO2 antibody

ACO2 antibody - C-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200570	Rabbit	Species Reactivity: Human (tested) Predicted: Rat, Cow, Pig, Yeast	Western Blot, Immunohistochemistry

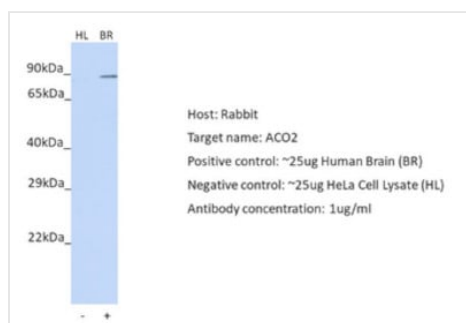
PRODUCT SYNONYMS

ACO2; Polyclonal Antibody; ACO2 antibody - C-terminal region; anti-ACO2 antibody

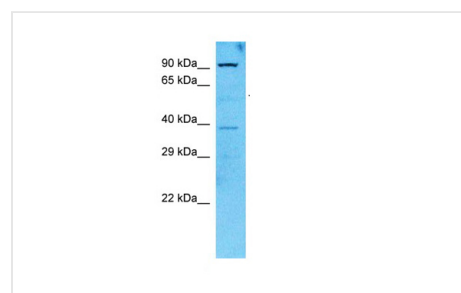
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Species Reactivity: Human (tested) Predicted: Rat, Cow, Pig, Yeast
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Concentration	0.5 mg/ml (varies by lot)
Sequence	Synthetic peptide located within the following region: RY YKKHGIRWVV IGDENYGEYS SREHAALPR HLGGRAIITK SFARIHET
Sequence Length	780
Applicable Applications for anti-ACO2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Homology	Cow: 100%; Human: 100%; Pig: 100%; Rat: 100%; Yeast: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the C terminal region of human ACO2
Protein (#AA)	780 amino acids
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES

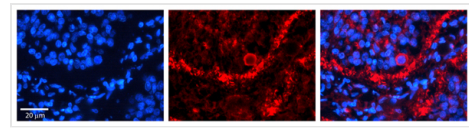
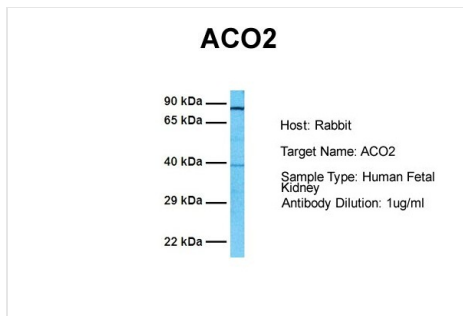


Application Data



WB (Western Blot)

Host: Rabbit Target Name: ACO2 Sample Type: Kidney Cell lysates Antibody Dilution: 1.0ug/ml



IHC (Immunohistochemistry)

Rabbit Anti-ACO2 Antibody Formalin Fixed Paraffin Embedded Tissue: Human Pineal Tissue
Observed Staining: Cytoplasmic in cell bodies of pinealocytes and connective tissue (septum)
Primary Antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

WB (Western Blot)

Host: Rabbit
Target Name: ACO2
Sample Tissue: Human Fetal Kidney
Antibody Dilution: 1.0ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-ACO2 antibody	This is a rabbit polyclonal antibody against ACO2. It was validated on Western Blot Target Description: ACO2 belongs to the aconitase/IPM isomerase family. It is an enzyme that catalyzes the interconversion of citrate to isocitrate via cis-aconitate in the second step of the TCA cycle. This protein is encoded in the nucleus and functions in the mitochondrion. It was found to be one of the mitochondrial matrix proteins that are preferentially degraded by the serine protease 15 (PRSS15), also known as Lon protease, after oxidative modification.
Product Categories/Family for anti-ACO2 antibody	Cancer ; Lymphocyte Signaling ; Drugs and Drug Metabolism ; Cell Biology ; Disease Related

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501867
NCBI GeneID	50
NCBI Accession #	NP_001089
NCBI GenBank Nucleotide #	NM_001098
UniProt Accession #	Q99798
Molecular Weight	82kDa
NCBI Official Full Name	aconitate hydratase, mitochondrial
NCBI Official Synonym Full Names	aconitase 2
NCBI Official Symbol	ACO2
NCBI Official Synonym Symbols	ICRD; OCA8; OPA9; ACONM; HEL-S-284
NCBI Protein Information	aconitate hydratase, mitochondrial
UniProt Protein Name	Aconitate hydratase, mitochondrial
UniProt Gene Name	ACO2
UniProt Synonym Gene Names	Aconitase
UniProt Entry Name	ACON_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/aco2-antibody-western-blot-immunohistochemistry-elisa/200570>